

# NCDOT ROADWAY PUBLIC HEARING MAP

## CHAPTER 15: EXISTING ROADWAY

Navigate to RDY PHM Exist Roadway Shape Model.

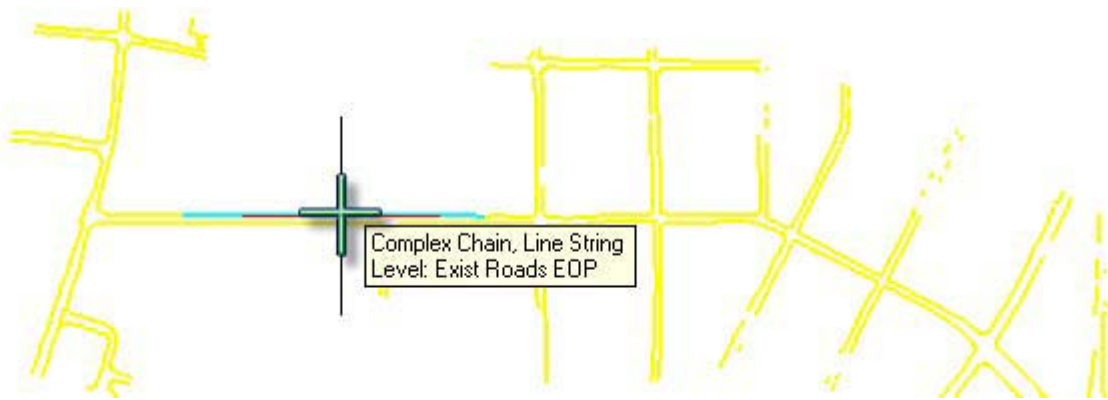
### Creating Existing Roadway Shapes

#### Step 1.

Complete the process described in the **Turning Off All Levels Except** section of chapter 3. The referenced file model to be turned on is **RDY PHM Exist TOPO File**. The graphical element selected to be turned on and the rest of the levels to be turned off is the existing roadway EOP line, usually on level name **Exist Roads EOP**.

#### Step 2.

Complete the process described in the **Copying Individual Level from a Referenced File Model** section of chapter 3. Only elements on the existing roadway level are to be copied into this file model.



#### Step 3A.

Create shapes for the existing roadway. Double-click on the **Existing Roadway– Create Shape** item in D&C Manager. Make sure **Place Influence** is checked.



#### Step 3B.

Option: On some situations, the **Create Complex Shape** tool works better than the default **Create Region** command. While selecting **Existing Roadway – Create Shape** item and having **Placed Influence** on (checked), click on the **Create Complex Shape** toolbox and identify the shape boundary elements. Remember the boundary elements do not have to close for this tool to work.

#### Step 4.

Last, once all existing roadway shapes have been created, delete all elements in the active file model except on level **Exist Roads EOP**. Use the **Select by Attributes** tool (chapter 2) to accomplish this task.

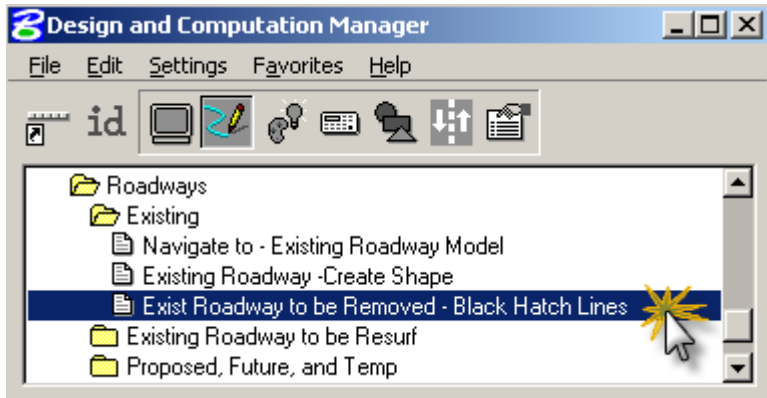
# NCDOT ROADWAY PUBLIC HEARING MAP

## Hatching Existing Roadway to be Removed

Navigate to RDY PHM Exist Roadway Shape Model.

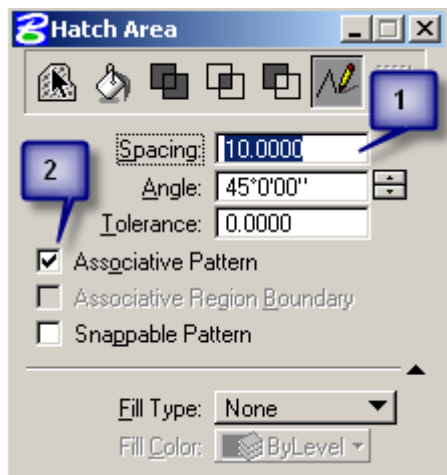
### Step 1.

Double-click on the **Exist Roadway to be Removed – Black Hatching Lines** item.



### Step 2.

Key-in (1) the hatch spacing and (2) checked **Associative Pattern**.



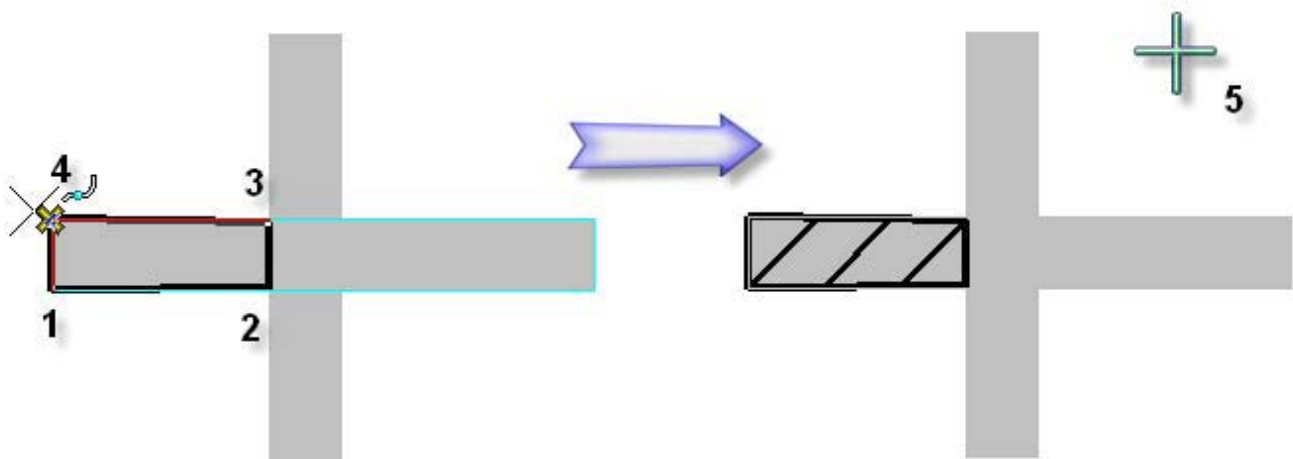
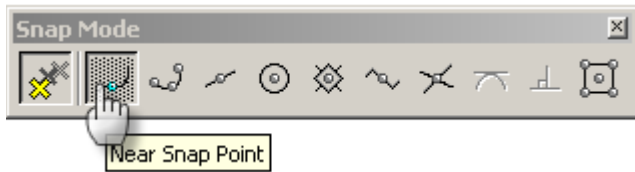
## **Hatch Lines Spacing**

Normally the spacing between hatch lines looks aesthetically pleasing with the distance computed by dividing the hearing map scale by 10. For example, 100 (hearing map scale)/ 10 = 10' between hatch lines. The Designer has the option to change and modify any hatch line spacing distance.

# NCDOT ROADWAY PUBLIC HEARING MAP

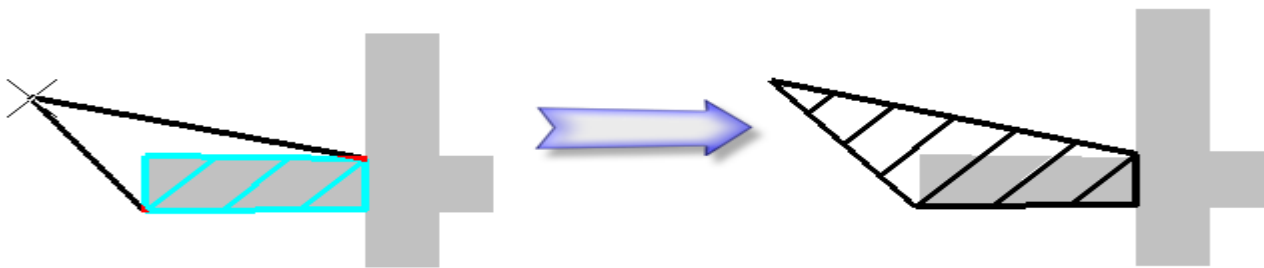
## Step 3.

Last, Identify the key point (1-4) on the existing roadway shape is to be removed. Having set the snap mode to **Near Snap Point** can help in this case. Right mouse click (5) to accept the points and complete the hatching process.



## Associative Pattern

By having Associative Pattern checked, not only a shape border is created with the hatched area, but the hatching automatically updates when the shape border changes.



## Is it necessary to create a separate shape for existing roadway to be removed?

No. Since both the shape for existing roadway and the shape for existing roadway to be removed has the same symbology (same color, weight, etc.), hatching the existing roadway to be removed is only required to distinguish the difference between the two.